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APPLICATION NO.	FILING DATE 08/05/2003		FIRST NAMED INVENTOR Keiichiro Ishihara	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/633,521				00684.003510	5396		
5514	7590	02/28/2005		EXAM	EXAMINER		
		LLA HARPER & S	TRAN, HU	TRAN, HUAN HUU			
30 ROCKEFELLER PLAZA NEW YORK, NY 10112				ART UNIT	PAPER NUMBER		
,				2861			

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
Office Astion Summer	10/633,521	ISHIHARA ET AL.	
Office Action Summary	Examiner	Art Unit	
The MAIL INC DATE of this convenience of	Huan H. Tran	2861	
The MAILING DATE of this communication apperiod for Reply	pears on the cover sheet will	i the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply within the statutory minimum of thirty will apply and will expire SIX (6) MONT e, cause the application to become ABA	(30) days will be considered timely. 1S from the mailing date of this communication. NDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This 3) Since this application is in condition for alloware closed in accordance with the practice under a second se	s action is non-final. ance except for formal matte		
Disposition of Claims		•	
4) ⊠ Claim(s) 1-47 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 1-47 are subject to restriction and/or	awn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to be drawing(s) be held in abeyand ction is required if the drawing(s	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea * See the attached detailed Office action for a list	its have been received. Its have been received in Apprity documents have been reul (PCT Rule 17.2(a)).	plication No eceived in this National Stage	
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	Paper No(s)	mmary (PTO-413) /Mail Date ormal Patent Application (PTO-152) 	

Application/Control Number: 10/633,521 Page 2

Art Unit: 2861

DETAILED ACTION

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

- (i) an embodiment of an optical scanning device which comprises a scanning optical system includes a scanning optical element disposed so that, with respect to a sub-scan direction, a principal ray of the deflected light beam passes a portion other than an optical axis, wherein said scanning optical element has a sagittal aspherical amount changing surface in which an aspherical amount of a sagittal changes along a main scan direction of said scanning optical element, and wherein, throughout the whole surface to be scanned, the position in the sub-scan direction upon which the deflected light beam impinges is made even; and an image forming apparatus using the same. The embodiment is shown in Figs. 1-11.
- (ii) an embodiment of an optical scanning device which comprises a scanning optical system includes a scanning optical element arranged so that, upon the surface to be scanned and with respect to a sub-scan direction, imaging positions of two light beams being obliquely incident on a plane, perpendicular to a rotational axis of said deflecting means, with certain oblique incidence angles Y and y' (0#y<y'), respectively, are approximately registered with each other; and an image forming apparatus using the same. The embodiment is shown in Figs. 12-
- (iii) an embodiment of an optical scanning device wherein a plurality of light beams from a source mans are directed to a light deflecting means, and the plurality of light beams from said deflecting means are directed to corresponding surfaces, to be scanned, respectively, by an optical scanning means, and wherein said optical scanning means includes a single scanning optical element having an anamorphic surface, and said scanning optical element has, within a

Art Unit: 2861

main scan sectional plane, one surface which is an aspherical surface; and an image forming apparatus using the same. The embodiment is shown in Figs. 17-22.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

2. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan H. Tran whose telephone number is (571) 272-2261. The examiner can normally be reached on at work on W-F from 6:30 to 5; T are telework days.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Talbott can be reached on (571) 272-1934. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner
Art Unit 2861

hht 02/23/05